

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P851567

Luminaire Tested: **GLAN-SB9C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44295 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

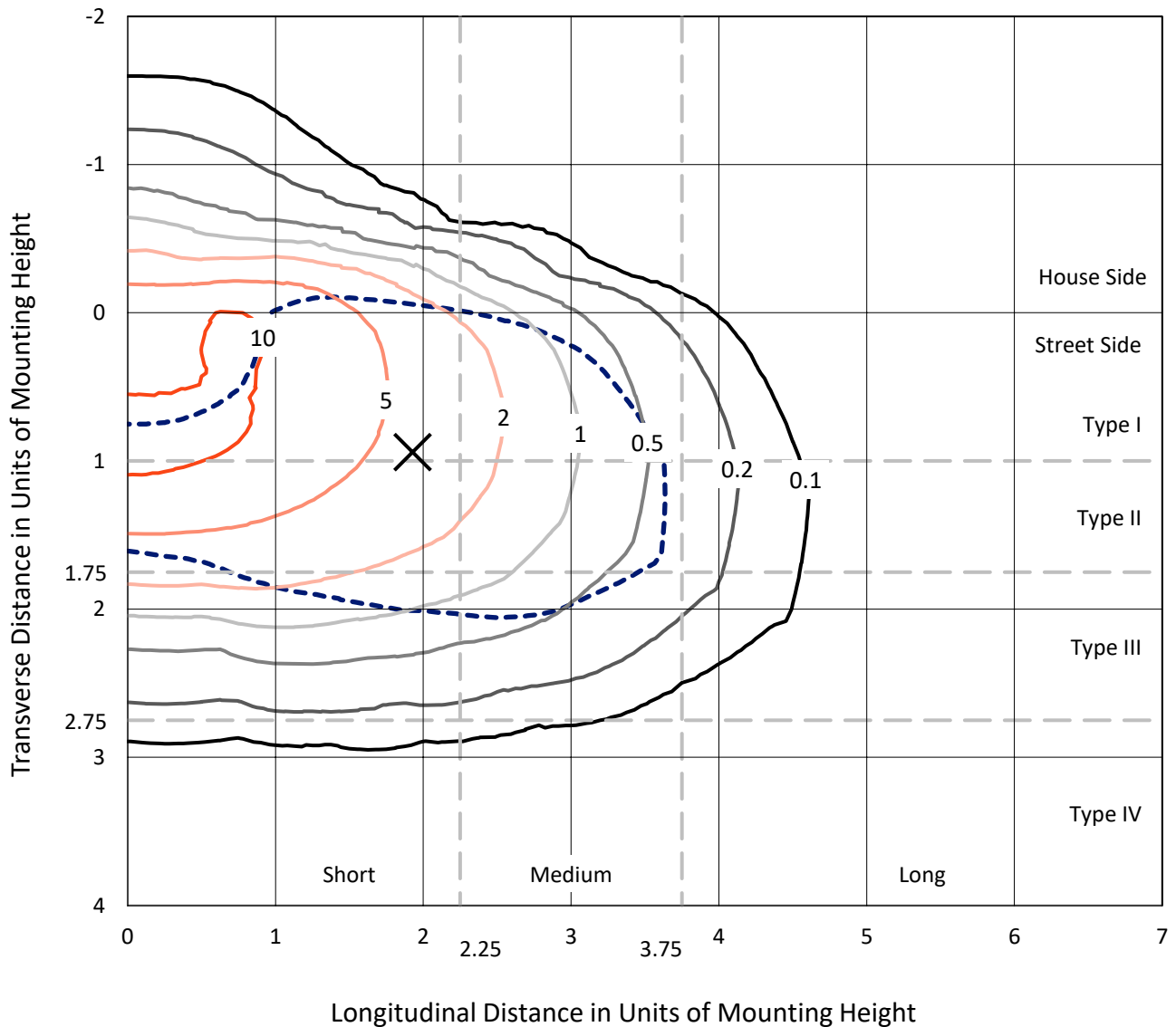
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851567
 CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

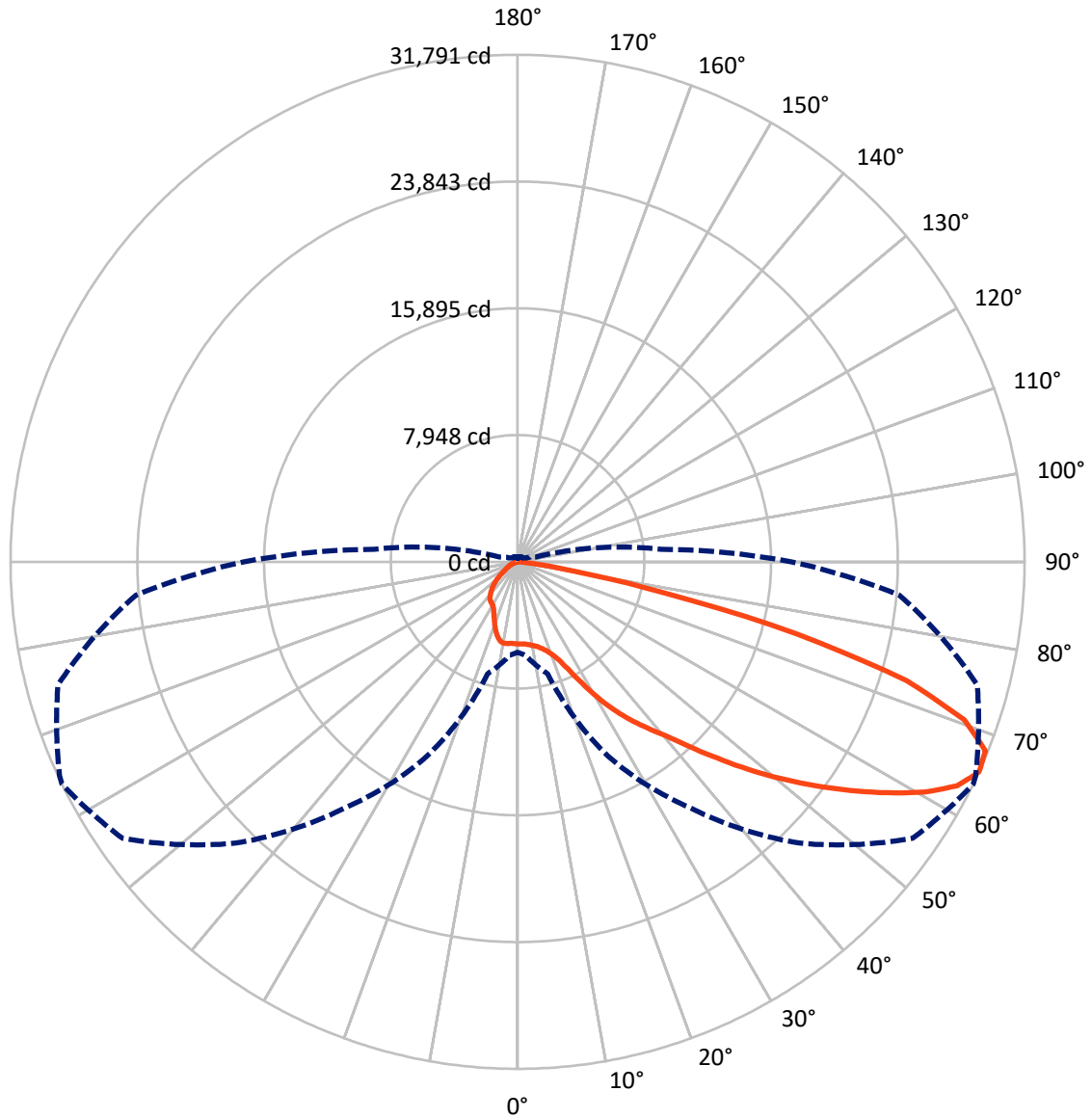
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type III - Short - N/A

REPORT NUMBER: P851567
CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P851567
 CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5923.6	0.0	5923.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	38371.4	0.0	38371.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	44295.0	0.0	44295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.3	1.1
10°-20°	1289.2	2.9
20°-30°	2442.9	5.5
30°-40°	4943.3	11.2
40°-50°	8421.0	19.0
50°-60°	11452.0	25.9
60°-70°	10754.0	24.3
70°-80°	4308.5	9.7
80°-90°	208.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	44295.0	100.0
0°-180°	44295.0	100.0

Coefficient of Utilization



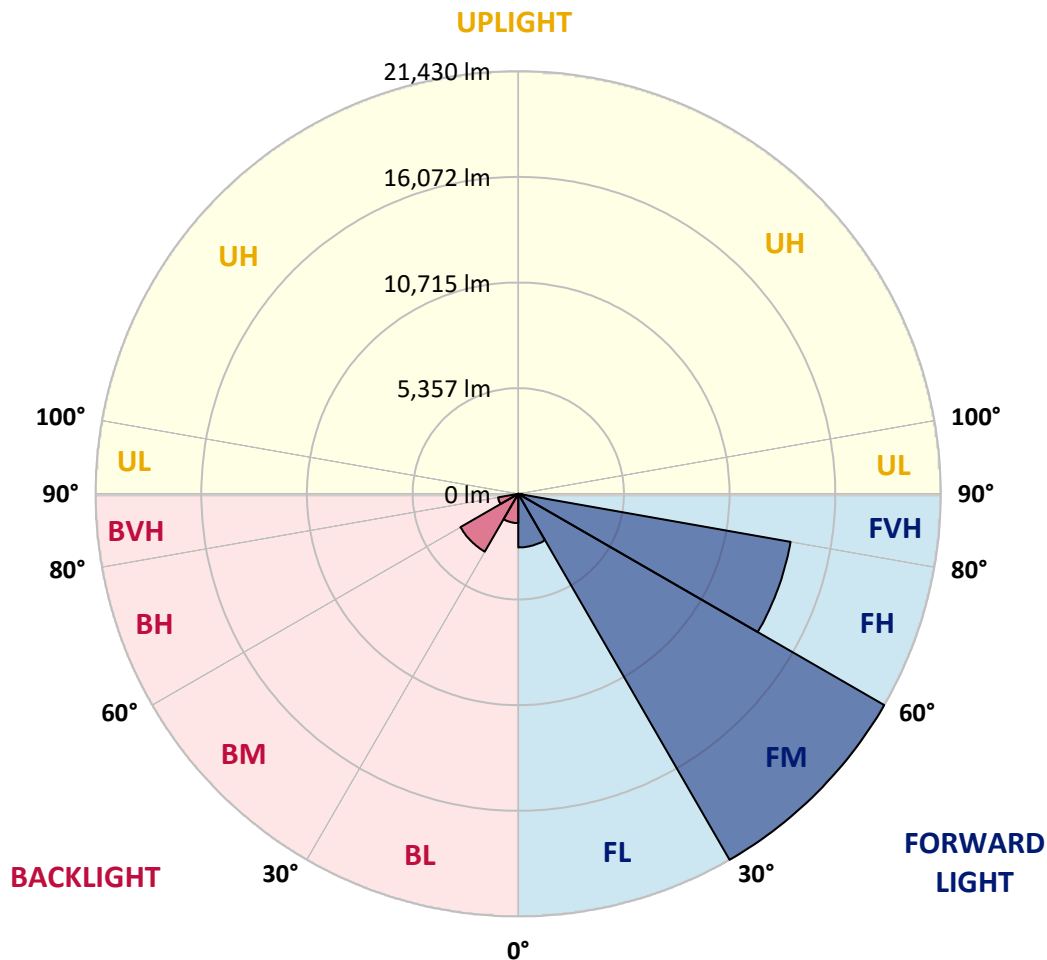
REPORT NUMBER: P851567
 CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2720.2	6.1			
FM (30°-60°)	21429.9	48.4			
FH (60°-80°)	14022.8	31.7			G5
FVH (80°-90°)	198.5	0.4			G2/225
BL (0°-30°)	1487.2	3.4	B3/2500		
BM (30°-60°)	3386.5	7.6	B3/5000		
BH (60°-80°)	1039.7	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P851567
 CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0
2.5°	5134.2	5169.8	5160.9	5152.0	5149.0	5154.9	5157.9	5154.9	5154.9	5154.9
5°	5036.2	5065.9	5065.9	5086.6	5116.3	5152.0	5178.7	5184.6	5190.6	5199.5
7.5°	4849.1	4872.8	4890.7	4959.0	5033.2	5128.2	5208.4	5250.0	5255.9	5288.6
10°	4721.4	4751.1	4780.8	4852.1	4959.0	5101.5	5238.1	5339.0	5353.9	5431.1
12.5°	4715.5	4745.2	4783.8	4861.0	4985.7	5137.1	5303.4	5448.9	5475.6	5588.5
15°	4777.8	4813.5	4849.1	4944.1	5077.7	5261.8	5440.0	5621.1	5647.9	5808.2
17.5°	4905.5	4953.0	4979.7	5074.8	5217.3	5422.2	5656.8	5864.6	5888.4	6075.5
20°	5157.9	5214.3	5223.2	5300.4	5440.0	5659.7	5938.9	6197.2	6226.9	6440.7
22.5°	5680.5	5760.7	5689.4	5728.0	5852.8	6072.5	6375.4	6702.0	6743.6	6987.1
25°	6601.1	6713.9	6529.8	6464.5	6517.9	6746.6	7126.6	7539.4	7586.9	7782.9
27.5°	8409.4	8263.9	7984.8	7711.6	7551.3	7681.9	8109.5	8620.3	8679.7	8869.7
30°	10396.0	10268.3	9891.2	9285.4	8905.3	8884.5	9279.5	9849.6	9917.9	10099.0
32.5°	12385.5	12263.8	11854.0	11108.7	10449.4	10122.8	10396.0	11028.5	11064.1	11179.9
35°	14342.4	14217.7	13807.9	13044.7	12234.1	11491.7	11438.3	12150.9	12162.8	12284.5
37.5°	16311.1	16207.2	15770.7	15022.4	14223.6	13199.1	12703.2	13214.0	13228.8	13347.6
40°	17715.6	17760.2	17460.3	16881.2	16195.3	15075.8	14122.6	14345.3	14256.3	14455.2
42.5°	18921.2	19010.3	18749.0	18458.0	18060.1	17074.2	15880.5	15841.9	15699.4	15806.3
45°	19963.5	20037.7	19803.2	19734.9	19726.0	19034.1	17801.8	17570.1	17371.2	17350.4
47.5°	20346.6	20489.1	20590.1	20818.7	21264.1	20973.1	19788.3	19429.0	19206.3	19043.0
50°	20492.1	20643.5	20988.0	21653.1	22707.3	22832.0	21766.0	21362.1	21088.9	20792.0
52.5°	20296.1	20566.3	21029.5	22149.0	23678.3	24322.6	23663.4	23310.1	22998.3	22514.3
55°	19141.0	19411.2	20358.4	22143.1	24162.3	25367.9	25457.0	25299.6	24949.2	24186.0
57.5°	16706.0	17106.9	18606.5	21388.8	24153.4	26267.6	27214.9	27327.7	26935.7	25843.0
60°	13332.8	13876.2	15705.3	19717.0	23408.1	26754.6	28756.0	29320.2	28904.5	27476.2
62.5°	9303.2	9932.8	11663.9	17098.0	21703.6	26404.2	29881.4	30923.7	30608.9	28937.1
65°	5674.6	5876.5	7272.1	13454.5	18805.4	24937.3	30228.8	31790.8	31686.8	29830.9
67.5°	3780.1	3949.3	4350.2	9226.0	14597.7	22006.5	29397.4	31639.3	31669.0	29685.4
70°	2277.6	2423.1	2684.4	5365.8	9460.6	17418.7	26822.9	29709.2	29881.4	27740.5
72.5°	938.3	1036.3	1273.9	2432.0	4899.6	11055.2	21359.1	25507.4	25908.3	23324.9
75°	531.5	582.0	748.3	1220.4	2126.1	5152.0	12937.8	18107.6	18698.5	16076.5
77.5°	353.4	377.1	484.0	789.9	1196.7	1757.9	5529.1	9433.9	10562.3	8780.6
80°	237.6	258.3	332.6	528.6	778.0	754.2	1760.9	3495.0	4299.7	3016.9
82.5°	160.3	163.3	237.6	347.4	492.9	365.2	519.7	1086.8	1365.9	873.0
85°	92.1	89.1	175.2	201.9	219.7	151.4	157.4	326.6	427.6	368.2
87.5°	11.9	17.8	68.3	53.4	29.7	32.7	32.7	56.4	83.1	89.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851567
 CATALOG NUMBER: GLAN-SB9C-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5152.0	0°	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0	5152.0
5157.9	2.5°	5157.9	5154.9	5146.0	5137.1	5116.3	5104.5	5110.4	5104.5	5101.5	5104.5
5196.5	5°	5196.5	5187.6	5163.8	5134.2	5092.6	5042.1	5009.4	4961.9	4917.4	4890.7
5300.4	7.5°	5300.4	5291.5	5258.9	5175.7	5042.1	4831.3	4638.3	4469.0	4341.3	4267.1
5466.7	10°	5466.7	5451.9	5401.4	5217.3	4866.9	4406.6	4023.6	3705.9	3498.0	3400.0
5662.7	12.5°	5662.7	5644.9	5555.8	5178.7	4534.3	3815.7	3287.2	2933.8	2740.8	2654.7
5888.4	15°	5894.3	5870.6	5695.4	4994.6	4050.3	3162.4	2678.4	2414.2	2289.4	2212.2
6176.4	17.5°	6182.4	6140.8	5799.3	4718.4	3524.7	2663.6	2304.3	2105.3	1995.5	1921.2
6553.5	20°	6556.5	6488.2	5882.4	4388.8	3040.7	2348.8	2051.9	1885.6	1802.4	1737.1
7088.0	22.5°	7079.1	6981.1	5983.4	4032.5	2699.2	2132.1	1864.8	1743.1	1674.8	1600.5
7833.4	25°	7726.5	7610.7	6108.1	3702.9	2464.6	1945.0	1728.2	1627.2	1547.1	1461.0
8810.3	27.5°	8632.1	8424.3	6256.6	3432.7	2262.7	1784.6	1603.5	1490.7	1398.6	1327.3
9917.9	30°	9641.8	9300.3	6387.3	3269.3	2078.6	1636.2	1440.2	1327.3	1241.2	1190.7
10912.7	32.5°	10597.9	10134.7	6473.4	3198.1	1912.3	1466.9	1262.0	1140.3	1074.9	1060.1
11886.6	35°	11500.6	10888.9	6464.5	3129.8	1763.8	1297.6	1086.8	962.1	911.6	920.5
12934.9	37.5°	12539.9	11693.6	6402.1	3022.9	1642.1	1143.2	935.4	825.5	781.0	783.9
14208.7	40°	13748.5	12623.1	6363.5	2821.0	1508.5	1000.7	810.7	721.6	688.9	677.0
15550.9	42.5°	15037.2	13522.8	6369.4	2592.3	1342.2	873.0	724.5	650.3	620.6	611.7
17044.6	45°	16331.9	14381.0	6378.3	2354.8	1167.0	775.0	662.2	599.8	582.0	570.1
18559.0	47.5°	17549.4	15111.5	6212.1	2099.4	994.8	700.8	611.7	570.1	555.3	540.4
20079.3	50°	18683.7	15598.4	5811.2	1802.4	858.2	641.4	573.1	543.4	528.6	513.7
21457.1	52.5°	19565.6	15675.6	5149.0	1496.6	763.1	596.9	549.3	522.6	504.8	490.0
22570.7	55°	19957.6	15191.6	4207.7	1211.5	688.9	558.3	525.6	498.9	478.1	463.2
23446.7	57.5°	19856.6	14173.1	3281.2	974.0	617.6	519.7	495.9	478.1	454.3	430.6
24156.3	60°	19360.7	12810.1	2473.5	810.7	552.3	478.1	463.2	448.4	415.7	380.1
24429.5	62.5°	18502.5	11096.8	1763.8	671.1	481.0	430.6	424.6	412.8	365.2	299.9
24025.7	65°	17190.1	9015.2	1187.8	558.3	412.8	377.1	380.1	359.3	296.9	222.7
22546.9	67.5°	15271.8	6592.1	760.2	457.3	344.5	314.8	317.7	305.9	252.4	190.0
19743.8	70°	12828.0	4365.1	495.9	347.4	276.2	243.5	261.3	264.3	213.8	154.4
15153.0	72.5°	9404.2	2577.5	347.4	258.3	201.9	169.3	213.8	219.7	172.2	115.8
9116.2	75°	5359.8	1223.4	261.3	187.1	124.7	118.8	166.3	166.3	118.8	77.2
3946.4	77.5°	2250.8	510.7	184.1	121.7	71.3	68.3	112.8	103.9	59.4	35.6
962.1	80°	650.3	228.6	98.0	59.4	29.7	26.7	44.5	32.7	14.8	5.9
365.2	82.5°	255.4	101.0	38.6	23.8	11.9	11.9	5.9	0.0	0.0	0.0
207.9	85°	151.4	41.6	17.8	8.9	3.0	0.0	0.0	0.0	0.0	0.0
44.5	87.5°	38.6	8.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
5152.0
5116.3
4896.6
4270.0
3391.1
2645.8
2215.2
1915.3
1725.2
1588.6
1452.1
1312.5
1181.8
1069.0
920.5
795.8
674.1
608.7
570.1
540.4
513.7
487.0
460.3
427.6
374.1
294.0
216.8
181.1
148.5
109.9
71.3
35.6
5.9
0.0
0.0
0.0
0.0

F REPORT)